

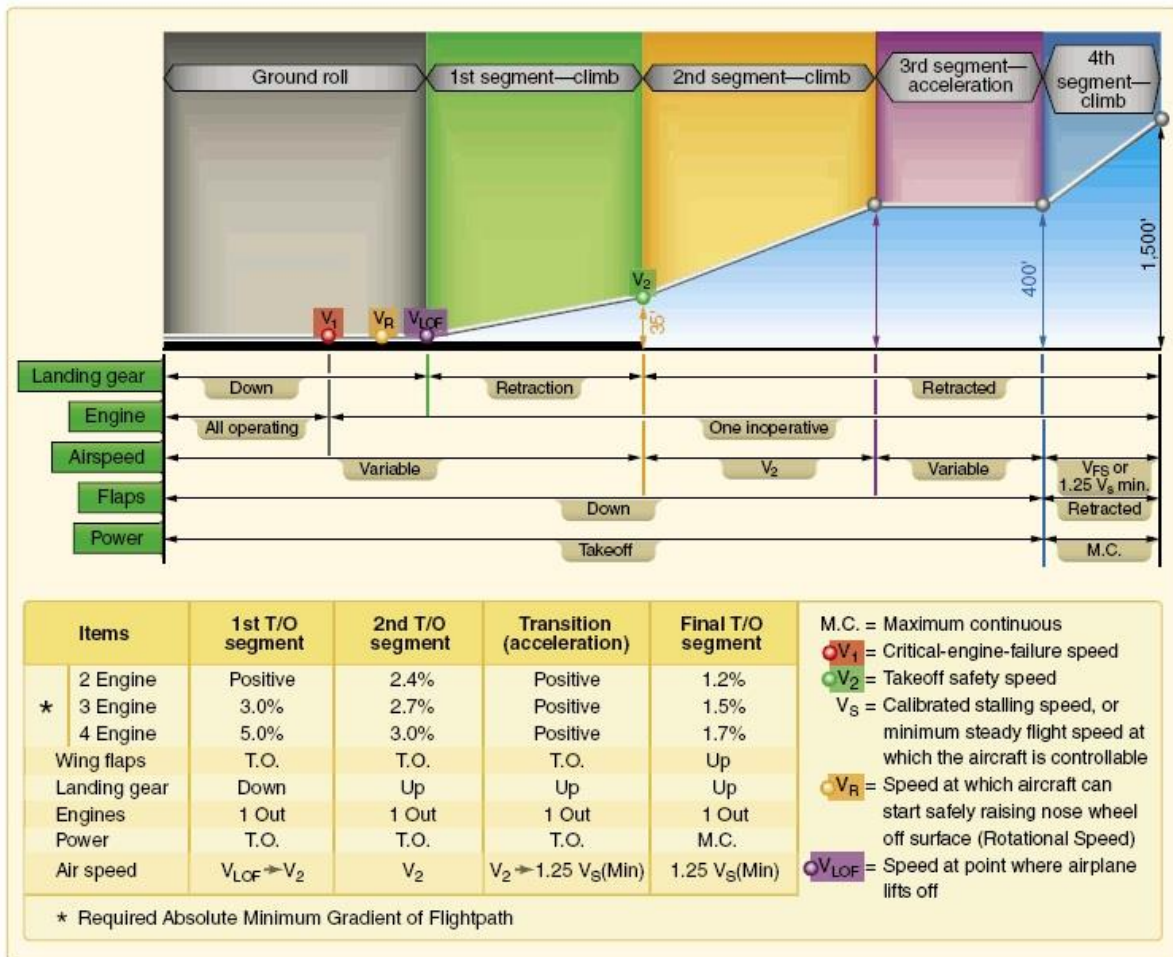
## Appendix F: Design Requirements and Specifications

There are some errors in this appendix.

The data in Table F.2 for FAR 25 climb gradients apply to 4-engine airplanes. For 2- and 3-engine airplanes see Table F.4.

In Table F.4, under the heading "Minimum climb gradient for aircraft with n engines, %" there are two columns labelled "n=3". The left-hand column should be labelled "n=2".

In Table F.4, the terms "First segment", "Second Segment", and "Third Segment" are used. Although these terms are used by both pilots and performance engineers, they are not used in FAR Part 25. The terms are used in the FAA Pilot's Handbook of Aeronautical Knowledge (Ref. F.1), as illustrated in Figure F.1, except that the climb gradients required by the 3<sup>rd</sup> Segment as defined by Raymer apply to the 4<sup>th</sup> Segment as defined by the FAA.



FAA Pilot's Handbook of Aeronautical Knowledge

Fig. F.1 FAA Part 25 Climb Requirements

## References

- F.1 Anon., “Pilot’s Handbook of Aeronautical Knowledge”, FAA-H-8083-25A, 2014.  
Also online at  
[http://www.faa.gov/regulations\\_policies/handbooks\\_manuals/aviation/pilot\\_handbook/](http://www.faa.gov/regulations_policies/handbooks_manuals/aviation/pilot_handbook/)